

What do you know about biosafety?

Please answer the questions according to your own situation, don not turn to the Internet or others for help. Thank you for your cooperation.

1. Personal information

1.1 What grade are you in?

- A. Freshman
- B. Sophomore
- C. Junior
- D. Senior

2.2 Have you received biosafety courses before?

A Yes → Q3 B No Q4

3.3 In previous experiments, did you pay attention to the standards you had learned in the process?

- A. Yes, I do
- B. Not exactly, sometimes I neglect rules to save time.
- C. No, I don't.

2. Biosafety Education

1. Do you know the concept of biosafety in medical laboratory?

A. Yes, I know clearly. B. No, I don't. C. Yes, I briefly know.

2. In previous experiments, did your teachers emphasize biosafety to you before experiments start?

A Yes B No

3. Did your teachers supervise your behavior during the experiments?

A Yes B No

4. Do you know the biosafety regulations in your lab?

A Yes B No

5. Is there any lab biosafety department in our college?

A Yes B No

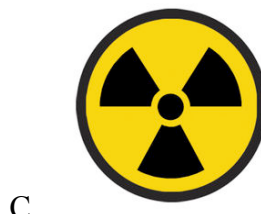
6. Do you know biosafety level?

A Yes B No

7. Do you know what is the biosafety level of your lab?

A Yes B No

8. Which is the Symbol of Biohazard?



9. Do you know the differences between biosafety cabinet and clean bench?

A Yes B No

10. Do you know the differences between sanitization and sterilization?

A Yes B No

11. Do you know pathogenic organism hazard level?

A Yes B No

12. Do you know aerosol?

A Yes B No

13. Do you know what operations will create aerosol?

A Yes

B No

14. Do you know what is Genetically modified organisms(GMOs)?

A Yes B No

Supplement: A **genetically modified organism (GMO)** is any organism whose **genetic** material has been altered using **genetic engineering** techniques

15. Do you have any experience of GMOs experiments?

A Yes B No

16. Will you launch a biosafety assessment before you build or use GMOs?

A Yes B No

17. Do you know the potential hazards of GMOs?

A Yes (Please list at least two of them.)

B No

3. Protection Standard

18. Do you use protective tools in experiments?

- A. No, I don't
- B. Sometimes
- C. Yes, I always use them.

19. How often do you witness smoking, eating or drinking in experimental polluted areas?

- A. Usually
- B. Sometimes
- C. Never

20. How often do you enter the lab without lab coat?

- A. Usually
- B. Sometimes
- C. Never

21. Do you use smart phone during experiments?

- A Yes
- B No

22. Do you wash your hands after finishing the experiment?

- A. No, I never wash my hands.
- B. Yes, I seldom do.
- C. Yes, I wash them curtly.
- D. Yes, I wash them carefully.

23. How do you treat biologic waste?

- A Dump it into the drain or rubbish bin directly.
- B Dump it to the environment directly.
- C Pretreat the waste and dump it into the drain or rubbish bin.
- D Pretreat and classify the waste in order to reduce the hazard.

4. Coping accidents

24. Have you encountered the following accidents in lab? (multiple choice) ()

- A No, I haven't.
- B Reagent dumping
- C Specimen overflow
- D Glassware break
- E Skin contact with reagent
- F Harmful gases inhalation
- G Laceration by glass
- H Fire
- I Eating reagent by mistake
- J Bitten by experimental animals
- K Malaise
- L Other accidents

25. Did you tell your teacher or lab assistant after occurrence of accident? ()

A Yes, I did. B No, I didn't.

26. Do you know how to use fire extinguishers?

A. Yes, I do.

B. No, but I decide to learn it.

C. No, I don't think it is necessary.

27. Do you know where you can find fire extinguishers in the lab?

A. No, I don't.

B. No, I don't care about it.

C. Yes, I do.

D. I don't think there is any fire extinguisher in the lab.

28. Do you know the fundamental principles of escaping from fire?

A. No, I don't.

B. Yes, I know a little.

C. Yes, I fully understand them.

29. Do you know where is the first-aid cabinet in the research building?

A. No, I don't.

B. Yes, I do.

C. I don't think there is any first-aid cabinet in the research building.

30. How do you prepare for experiments?

A. I do nothing.

B. I browse experiment notes.

C. I browse experiment notes and looked up information if necessary.

D. I prepared it with detailed notes.

31. When an accident happens, what will you do?

A. Find the person concerned in order to solve the problem.

B. Solve the problem on your own, and inform the person concerned.

C. Tell teacher about the person concerned.

D. It's none of my business.

32. What will you do facing accidents such as catching fire, leakage of poisonous reagent and so on?

A. I haven't experienced before, and I think they won't occur in the future.

B. I don't know how to do when facing them.

C. Escape from the scene without solving it.

D. Solve it by myself.

33. Do you know how to deal with chemical poisoning?

A. No, I don't.

B. Yes, I know a little.

C. Yes, I clearly understand.

34. Do you know the process program when facing breakage or overflow of culture or infectious substances?

A Yes, I do. B No, I don't

35. Do you know how to deal with broken centrifuge tube?

A Yes, I do. B No, I don't

36. Do you turn off light, electric switch and hydro valve before leaving the lab?

A Yes, I do. B No, I don't

5. Advice

37. Is it important to learn biosafety knowledge?

A Yes, it is B It depends. C No, it isn't

38. Are you satisfied with the biosafety work in the lab?

A. Yes, I am.

B. Maybe.

C. No, I'm not.

39. Is it necessary to strengthen biosafety education in your college?

A Yes, it is. B No, it isn't. C It doesn't matter

40. Is it necessary to carry out biosafety drill?

A Yes, it is B No, it isn't C It doesn't matter

41. Choose the methods below that you think can improve biosafety situation in labs. (Multiple choice.)

A. Carrying out laboratory admittance management

B. Carrying out biosafety training and reckon in GPA

C. Inviting professional teacher to give a speech on biosafety.

D. Conducting biosafety publicity regularly.

E. Building biosafety communication forum.

F. Writing concise and practical biosafety manual.

G. Carrying out regular laboratory biosafety inspection.